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correl's*
(b) a mutein of leptin having at least 60% identity with the sequence of a leptin and has the ability to block cell proliferation or having a sequence encoded by a nucleic acid which hybridizes to a nucleic acid which encodes leptin under stringent conditions and has the ability to block cell proliferation;

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Cl7*
(c) a fragment of one of (a) or (b) which has the ability to block cell proliferation;

(d) a fusion protein comprising (a), (b) or (c);

(e) a leptin receptor agonist which has the ability to block cell proliferation; and

(f) a salt or functional derivative of any of (a)-

(e).

Claim 2, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--; and delete "as an inhibitor of" and insert therefor --for inhibiting--.

Claim 3, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--; and delete "as an inhibitor of" and insert therefor --for inhibiting--.

Claim 4, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--; and delete "as an inhibitor of" and insert therefor --for inhibiting--.

Claim 5, line 1, delete "use of an active agent" and insert therefor --method --.

Claim 6, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--; and delete "as an inhibitor of" and insert therefor --for inhibiting--.

Claim 7, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--; and delete "as an inhibitor of" and insert therefor --for inhibiting--.

Claim 8, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--; and delete "as an inhibitor of" and insert therefor --for inhibiting--.

Claim 9, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--.

Insert new claims 29-38 as follows:

B²
--29. A method in accordance with claim 28, wherein said active agent is leptin.

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C1
--30. A method in accordance with claim 28, wherein said active agent is a mutein of leptin having at least 60% identity with the sequence of a leptin and has the ability to block cell proliferation.

--31. A method in accordance with claim 28, wherein said active agent is a mutein of leptin having a sequence encoded by a nucleic acid which hybridizes to a nucleic acid which encodes leptin under stringent conditions and has the ability to block cell proliferation.

B²
cont'd

--32. A method in accordance with claim 28, wherein said active agent is a fragment of (a) or (b) of claim 28, which has the ability to block cell proliferation.

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Cl

--33. A method in accordance with claim 32, wherein said active agent is a fragment of leptin which has the ability to block cell proliferation.

--34. A method in accordance with claim 28, wherein said active agent is a fusion protein comprising (a), (b) or (c) of claim 28.

--35. A method in accordance with claim 34, wherein said active agent is a fusion protein comprising leptin.

--36. A method in accordance with claim 28, wherein said active agent is a leptin receptor agonist which has the ability to block cell proliferation.

--37. A method in accordance with claim 28, wherein said active agent comprises a mutein of leptin having at least 70% identity with the sequence of a leptin and has the ability to block cell proliferation.

ml
C

--38. A method in accordance with claim 28, wherein said active agent comprises a mutein of leptin having at least 80% identity with the sequence of a leptin and has the ability to block cell proliferation.

--39. A method in accordance with claim 28, wherein said active agent comprises a mutein of leptin having at least